ANSUL

A Tyco International Company

MONITOR/NOZZLE HIGH-FLOW SERIES
MODEL FJM-200
Data/Specifications

FEATURES

- Powerful unit with exceptional throw characteristics
- Compact and lightweight
- Welded stainless steel monitor construction which allows for use in corrosive environments and minimizes maintenance
- Patented stainless steel slide-bearing system to prevent unwanted movement or swings
- Versatile nozzle patterns in a solid jet or fog spray pattern with water or foam

DESCRIPTION

The FJM-200 series of monitors is designed to deliver approximately 5300 gpm (20,000 Lpm), however actual flow rate is dependent on nozzle setting and inlet pressure. This monitor is a dual waterway design. The balanced design reduces unwanted torque and swing, while the range of movement is easily operated with geared handwheels. The S version of the monitor/nozzle is self educting. The G version is gear operated. The EL/MV version is electric gear motor driven with remote nozzle pattern control.

SPECIFICATIONS

Waterway: 8 in. (200 mm) nominal

Sweep (rotation): Manual: Full 360°, Electric: ± 165°

Elevation (vertical movement):

Monitor	Elevation	Depression
FJM-200 G	+70°	–60°
FJM-200 S G	+70°	–45°
FJM-200 EL	+70°	–60°

Nozzle: Integral with monitor

Nozzle Pattern:
Manually adjustable straight to fog, water hydraulic driven
Electric: Solenoid valve, water driven hydraulic straight to fog

Nozzle Flow: Adjustable by turning deflector and locking

Material: Monitor: 316L Stainless steel
Nozzle: Bronze

Finish: Painted red

Stability: Manual Monitors: Worm gear driven
Electric Monitors: Electric gear motors

Mounting: 8 in., 150 lb ANSI flange standard

Weight:

FJM-200 G	199 lb (90 kg)
FJM-200 S G	205 lb (93 kg)
FJM-200 EL	276 lb (125 kg)

Maximum Pressure: 232 psi (16 bar)

Range: Up to 400 ft (122 m)

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APPLICATION

- Refineries
- Chemical Plants
- Petrochemical Storage
- Marine Tankers/Barges
- Marine Loading Docks
- Loading Docks
- LNG/LPG Storage
- Paper Mills
- Lumber Yards
- Rail Cars
- Coal Storage
- Process Areas
- Fire Trucks/ARFF Vehicles
- Fire Boats
- Aerial Apparatus

FJM-200 SELF-EDUCTING ACCESSORIES

Part No.	Description	Shipping Weight lb	(kg)
429414	Drum Kit (double)	7	(3.2)
434980	Kit Connection to Drum Kit (required for double drum kit)	2	(0.9)
434982	Tote Connection Kit	3	(1.4)
434983	Vacuum Relief Assembly for Totes	3	(1.4)

NOZZLE K FACTORS

Turns	K Factor
5	208.1
6	232.4
7	263.7
9	319.2
11	374.7
13.6	437.1

$Q = K\sqrt{P}$ Q = gpm P = psi

ORDERING INFORMATION

Part No.	Description
431114	FJM-200 G
431115	FJM-200 S G with suction hose*
431116	FJM-200/C EL/MV**

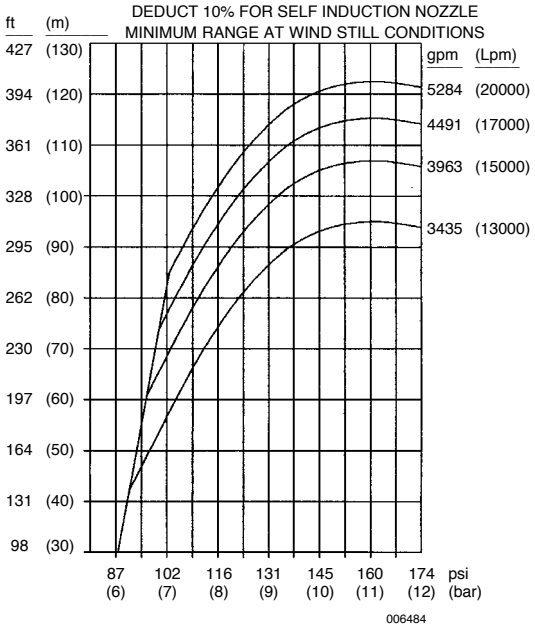
* Specify flow, inlet pressure, concentrate and % concentration, maximum foam concentrate induction 158 GPM (600 LPM)

** Specify Voltage and current type

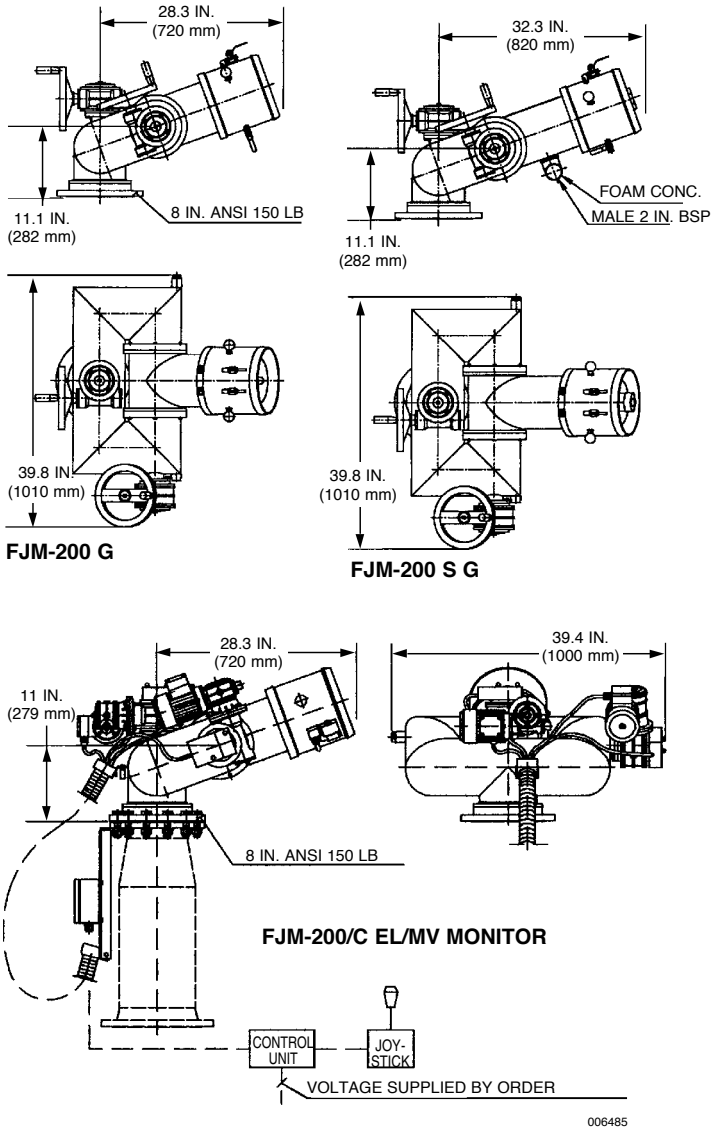
Note: On EL models, electric gear motors, limit switches, terminal box, control unit and joy-stick are included as standard items. Manual override and optional motors (for hazardous locations) are available as options.

For pricing and availability of various electric remote control options, contact Ansul Technical Services.

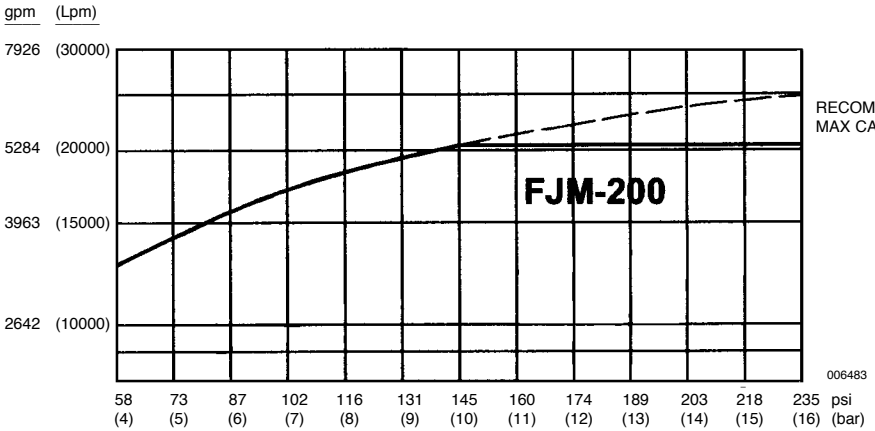
FJM-200 MONITOR RANGE OF JET



DRAWINGS OF MONITORS



CAPACITY RANGES FOR FJM-200 MONITORS



Note: The nozzle is an internal part of the monitor, therefore, performance criteria is based upon pressure at the flanged inlet connection.

Note: The converted metric values in this document are provided for dimensional reference only and do not reflect an actual measurement.

tyco Fire Protection Products

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